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Application/Control Number: 10/501,109
Art Unit: 2834

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DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because it contains more than 150 words. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1 and 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Lutkenhaus et al. (6,177,741).

Regarding claim 1, Lutkenhaus et al. shows a stator assembly (3) having a plurality of stator poles (located in bobbin 10), said plurality being divisible by six (column 3, line 5).

- A first, a second, a third, a fourth, a fifth and a sixth of said stator poles being arranged successively within a predetermined angular range (Figure 2);
- Three winding phases (shown coil 7 in Figure 2 and its across coil forming first phase) connected in a ^{star} ~~delta~~ (column 2, line ³² ~~24~~) configuration;
- Three respective current rails (13) associated with respective ones of said winding phases for their connection; wherein

- A first winding coil (W1) is arranged on said first stator pole (in bobbin 10) and connected (between a first one (RAIL A) of said current rails and a second one (RAIL B) of said current rails; connector socket 22 via connector tab 18; (and connected)
- A second winding coil (W2) is arranged on said second stator pole between said second current rail (RAIL B) of said current rails and a third one (RAIL C) of said current rails (relative position of W2 is between RAIL B at left side and RAIL C at right side); Star point connector strip 16 via tab 17; (and connected)
- A third winding coil (W3) is arranged on said third stator pole between said third current rail (RAIL C) and connector socket (22) via a connector tab 13; and said first current rail (RAIL A); (and connected)
- A fourth winding coil (W4) is arranged on said fourth stator pole between said first current rail (RAIL A) and star point connector strip 16 via tab 17; said second current rail (RAIL B); (and connected)
- A fifth winding coil (W5) is arranged on said fifth stator pole between said second current rail (RAIL B) and a connector socket (22) via a connector tab 13; said third current rail (RAIL C) and (and connected)
- A sixth winding coil (W6) is arranged on said sixth stator pole between said third current rail (RAIL C) and star point connector strip 16 via tab 17; said first current rail (RAIL A);

Regarding claim 4, it is noted that Lutkenhaus et al. also shows at least one of said current rails (13) being configured to interconnect a plurality of interface points (the other end of RAIL A), said interface points being separated by three intervening stator poles (W1, W2, and W3).